

"Exhibit R"

P

GenCore version 6.3 Copyright (c) 1993 - 2009 Biocceleration Ltd.

OM nucleic - nucleic search, using sw model

Run on:

September 16, 2009, 05:10:38; Search time 4043 Seconds

(without alignments) 105795.574 Million cell updates/sec

US-10-593-216-1

Title: Perfect score: 3871

1 gctagccccaatatatatat......gcgctctcaggtgcgagctc 3871

Sequence:

Scoring table: IDENTITY NUC

Gapop 10.0 , Gapext 1.0

Searched: 18669703 segs, 55253738715 residues

Total number of hits satisfying chosen parameters: 37339406

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

GenEmb1:* Database :

1: gb bct:* 2: gb_env:*

3: gb_htc:* 4: gb_htgl:*

5: gb_htg2:* 6: gb htg3:* 7: gb inv:*

8: gb_mam:* 9: gb_pat1:* 10: gb_pat2:* 11: gb_phg:*

12: gb pln:* 13: gb pri:* 14: gb_rod:* 15: gb_sts:* 16: gb_syn:* 17: gb_tsa:* 18: gb_una:*

19: gb vrl:* 20: gb_vrt:*

9

SUMMARIES

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Result				Query				
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		6	3269	84.4	3269	9	DD249891	DD249891 Gml promo
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DEFINITION Mus musculus BAC clone RP24-446P10 from chromosome 18, complete
        sequence.
ACCESSION
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VERSTON
        AC140207.3 GI:37059986
KEYWORDS
        HTG.
SOURCE
        Mus musculus (house mouse)
 ORGANISM Mus musculus
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Eukaryota; Metazoa; Chordata; Cranista; Vertebrata; Euteleostomi;
           Mammalia; Eutheria; Euarchontoglires; Glires; Rodentia;
           Sciurognathi; Muroidea; Muridae; Murinae; Mus.
          1 (bases 1 to 185316)
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  AUTHORS Isak, A.
           The sequence of Mus musculus BAC clone RP24-446P10
  TITLE
  JOURNAL
          Unpublished (2001)
REFERENCE
           2 (bases 1 to 185316)
 AUTHORS Wilson, R.
           Sequencing of Mus musculus
  TITLE
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Unpublished (2001) 3 (bases 1 to 185316) REFERENCE AUTHORS McPherson, J.D. and Waterston, R.H.

TITLE Direct Submission JOURNAL Submitted (23-FEB-2003) Genome Sequencing Center, 4444 Forest Park

Parkway, St. Louis, MO 63108, USA REFERENCE 4 (bases 1 to 185316)

AUTHORS Wilson, R.K. TITLE Direct Submission JOURNAL. Submitted (16-JUL-2003) Genome Sequencing Center, 4444 Forest Park

Parkway, St. Louis, MO 63108, USA REFERENCE 5 (bases 1 AUTHORS Wilson, R.K. 5 (bases 1 to 185316)

TITLE Direct Submission

JOURNAL Submitted (30-SEP-2003) Genome Sequencing Center, 4444 Forest Park Parkway, St. Louis, MO 63108, USA

REFERENCE 6 (bases 1 to 185316) Wilson, R.

AUTHORS TITLE

JOURNAL

Direct Submission TOURNAL. Submitted (27-NOV-2003) Department of Genetics, Washington University, 4444 Forest Park Avenue, St. Louis, Missouri 63108, USA

COMMENT On Sep 30, 2003 this sequence version replaced qi:32813746.

----- Genome Center Center: Washington University Genome Sequencing Center Center code: WUGSC

Web site: http://genome.wustl.edu Contact: submissions@watson.wustl.edu ----- Summary Statistics Center project name: M BB0446P10

NOTICE: This sequence may not represent the entire insert of this clone. It may be shorter because we only sequence overlapping clone sections once, or longer because we provide a small overlap between neighboring data submissions.

This sequence was finished as follows unless otherwise noted: all regions were double stranded, sequenced with an alternate chemistry, or covered by high quality data (i.e., phred quality >= 30); an attempt was made to resolve all sequencing problems, such as compressions and repeats; all regions were covered by sequence from more than one subclone; and the assembly was confirmed by restriction digest.

MAPPING INFORMATION:

Mapping information for this clone was provided by Dr. Wes Warren, Department of Genetics, Washington University, St. Louis MO. For additional information about the map position of this sequence, see http://genome.wustl.edu

SOURCE INFORMATION:

The RPCI-24 BAC Library has been constructed by Pieter de Jong and coworkers (http://www.chori.org) from male C57BL/6J mouse spleen and/or brain genomic DNA. The clone and detailed information can be obtained from Pieter de Jong and coworkers at http://www.chori.org

NEIGHBORING SEQUENCE INFORMATION:

This sequence is the entire insert of the clone. This clone is overlapped by AC127234.

FEATURES Location/Qualifiers SOUTCE 1. .185316

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)b	152904	GAGGAAGTTATATCTAGGTGTGTGTGTGTGTGTGTGAGAGAGA	15295
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Σy	2221	GGGGAGGGGGAGAGAGAGAGACCATGAATTCATGCAGGGAGGAAAGAGAGAG	2280
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Qy	2936	TTGCTCTCCCGAGCCTTCAGGGATCTTCTTTGACATAGCGGATTGTTCCCACTATTGTTT	2995
Db	153726	TTGTTCTCCCGACCCTTCAGGGATCTTCTTTGACATAGCTGGTTGTTCCCACTATTGTTT	153785
QУ	2996	CTAGCTAAGCTGGATGTATCCATGATAAAGATCACACGCAGGCAAGGAAAGACCATTCGG	3055
Db	153786	CTAGCTAAGCTGGATGTATCCATGATAAAGATCACACGCAGGCAAGGAAAGACCATTCGG	153845
Qy	3056	GGAATCCTTTTATTAGACCTAATGTCGCAATACCATGGACACACGTGAAAAGTAGCCG	3115
Db	153846	GGAATCCTTTTTATTAGACCTAATGTCGCAATACCATGGACACAACGTGAAAAGTAGCCG	153905
Qу	3116	AACCCCCAATTTATATAGCCCGGAGAAAGGCATGGTAAGGATGCATCATGTAAGTGAAGA	3175
Db	153906	AACCCCCAATTTATATAGCCCGGAGAAAGGCATGGTAAGGATGCATCATGTAAGTGAAGA	153965
Qу	3176	ATTGTATTTGCCCCGATCCCAGCACGCCTCCAGCTTCCACGCCCTGGCCTCTTACTGCT	3235
Db	153966	ATTGTATTTGCCCCGATCCCAGCACAGCCTCCAGTTCCACGGCCCTGGCCTCTTACTGCT	154025
Qу	3236	TCCCCTCCTGCTGTAAATGAGAAGAGCTTCCAGGTCATCTAATAGCCACCAAATCCTATC	3295
Db	154026	TCCCCTCCTGCTGTAAATGAGAAGAGCTTCCAGGTCATCTAATAGCCACCAAATCCTATC	154085
Qy	3296	TTGCTGAAGATACTGTCTTCCAAAGCTGGCAAGGGATGTCTGCAGTGATGGTCACGGCTG	3355
Db	154086	TTGCTGAAGATACTGTCTTCCAAAGCTGGCAAGGGATGTCTGCAGTGATGGTCACGGCTG	154145
Qу	3356	GAATCAAGGCCTTCTGGATCCGGAGTCTTTGCTTCAGTTGCCGTTATCCATTCAGCTGGT	3415
Db	154146	GAATCAAGGCCTTCTGGATCCGGAGTCTTTGCTTCAGTTGCCGTTATCCATTCAGCTGGT	154205
Qy	3416	$\tt GTGTGTCACCGGGCTTTTAAGTGTACAGAGCAGGATGCTGTTTAATATCCTCCCAGCTCCAGCTCCCAGCTCAGCTCAGCAGCAGCAGCAGCAGCAGCAGCAGCAGCAGCAGCAGC$	3475

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154206 GTGTGTCACCGGGCTTTTAAGTGTACAGAGCAGGGTGCTGTTTAATATCCTCCCAGCTCC 154265
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       3476 AAGCTGCCAAGCTTAAGGGAACAGTCTGTCGGATAGACTCTATCCATTGCTGCTCATAGG 3535
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           154266 AAGCTGCCAAGCTTAAGGGAACAGTCTGTCGGATAGACTCTATCCATTGCTGCTCATAGG 154325
Db
       3536 TCTCACCAACCCTCTCTTGGGAGTTTTGCTCACTCATAGAAACTAACATTTTCAACAGTG 3595
Qγ
           154326 TCTCACCAACCCTCTCTTGGGAGTTTTGCTCACTCATAGAAACTAACATTTTCAACAGTG 154385
Dh
       3596 TTTAACAATGCTCCATCCTGCCCCAGCACCGTAGGTCGCTTAGTCTCTGGCTCAGCCCTA 3655
Οv
           154386 TTTAACAATGCTCCATCCTGCCCCAGCACCGTAGGTCGCTTAGTCTCTGGCTCAGCCCTA 154445
Db
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QУ
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AC140336/c
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LOCUS
         AC140336
DEFINITION Mus musculus BAC clone RP24-266F17 from chromosome 18, complete
         sequence.
ACCESSION AC140336
VERSION
         AC140336.2 GI:45544824
KEYWORDS
         HTG.
SOURCE
         Mus musculus (house mouse)
 ORGANISM Mus musculus
         Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
         Mammalia; Eutheria; Euarchontoglires; Glires; Rodentia;
         Sciurognathi; Muroidea; Muridae; Murinae; Mus.
REFERENCE
         1 (bases 1 to 186205)
 AUTHORS
         Swearengen-Shahid, S., Shahid, S., Cotton, M., Bielicki, L., Meyer, R.
         and Haakenson, W.
         The sequence of Mus musculus BAC clone RP24-266F17
 TITLE
 JOURNAL
         Unpublished (2001)
REFERENCE
         2 (bases 1 to 186205)
 AUTHORS McPherson, J.D. and Waterston, R.H.
 TITLE
         Direct Submission
 JOURNAL
         Submitted (23-FEB-2003) Genome Sequencing Center, 4444 Forest Park
         Parkway, St. Louis, MO 63108, USA
REFERENCE
         3 (bases 1 to 186205)
 AUTHORS Wilson, R.K.
 TITLE
         Direct Submission
 JOURNAL
         Submitted (18-MAR-2004) Genome Sequencing Center, 4444 Forest Park
         Parkway, St. Louis, MO 63108, USA
REFERENCE
         4 (bases 1 to 186205)
 AUTHORS
         Wilson, R.K.
 TITLE
         Direct Submission
 JOURNAL
         Submitted (15-MAY-2004) Genome Sequencing Center, 4444 Forest Park
         Parkway, St. Louis, MO 63108, USA
COMMENT
         On Mar 18, 2004 this sequence version replaced gi:28475587.
            ----- Genome Center
            Center: Washington University Genome Sequencing Center
            Center code: WUGSC
            Web site: http://genome.wustl.edu
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Contact: submissions@watson.wustl.edu